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U. S. Department of Agriculture
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DIVISION OF VEGETABLE PATHOLOGY.

CIRCULAR NO. 14.

United States Department of Agriculture,

Washington, D. C., February 23, 1894.

DEAR SIR:

The Division of Vegetable Pathology of this Department having in hand the investigation of grain rusts, is anxious to obtain specimens of rusted wheat, oats, rye, and barley from as many different localities as possible. With this end in view a tag is inclosed, and you are earnestly requested to send specimens obtained from various fields a few days before harvest or when the rust is in greatest abundance. The packages need not be large, but should show *both leaves and stems* and each should contain specimens of only one variety and from one field. They should be securely (but not tightly) wrapped, and on the tag should be given the name and address of the sender and the *name of the variety and date of collection*.

Answers to the following questions are also greatly desired.

Respectfully,

Chas. W. Dabney Jr.

Assistant Secretary.

Date, _____

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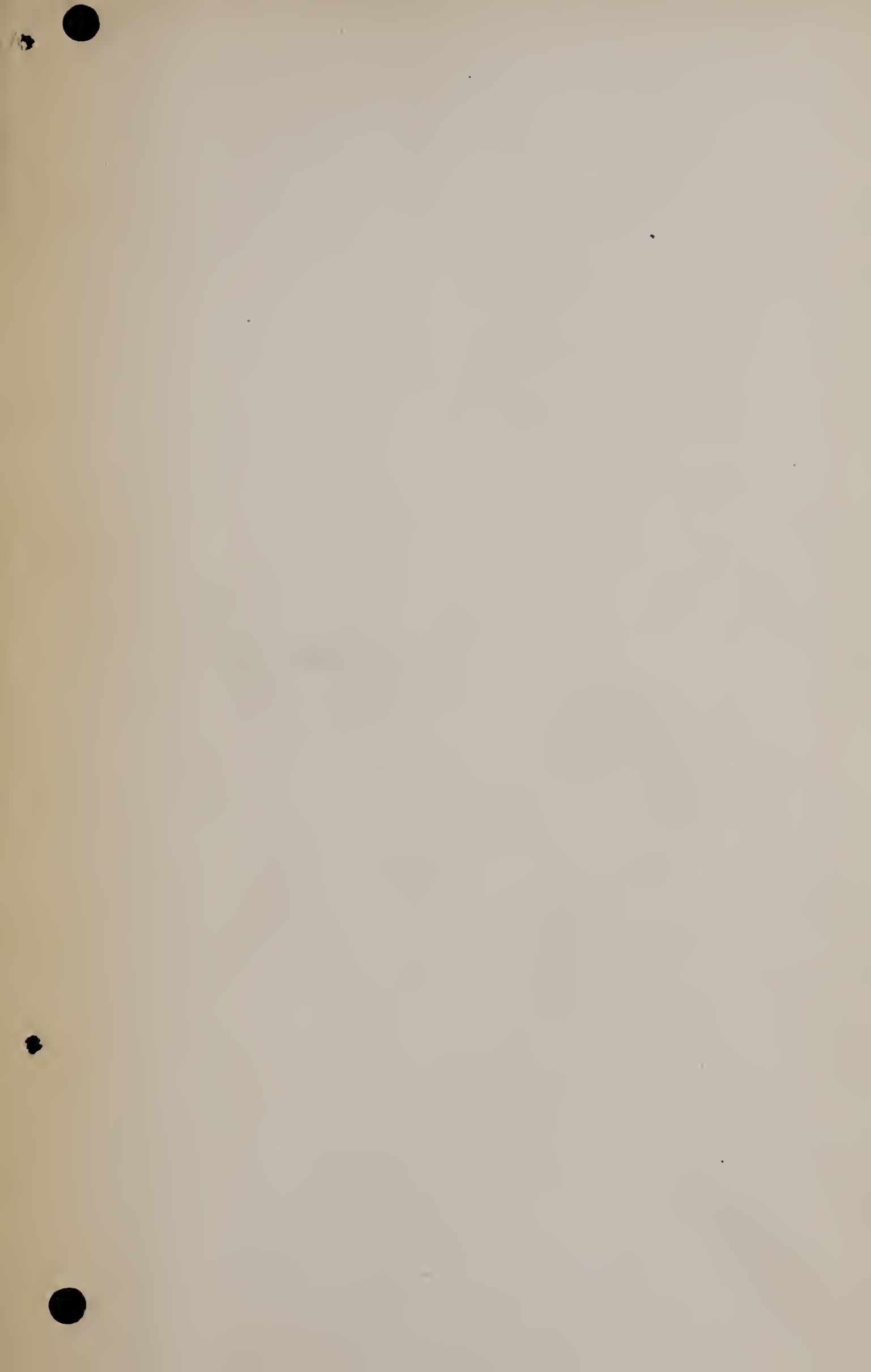
Name _____

Post-office _____

County _____

State _____

1. Is wheat commonly injured by rust in your region? _____



2. Is it much injured this year? If so, what do you estimate the amount of damage to the crop?

3. At what time did the rust first appear?

4. What were the weather conditions for the two weeks preceding the appearance of rust?

5. Are the stems badly rusted or is the rust chiefly confined to the leaves?

6. What varieties are most attacked?

7. What varieties are most free from rust?

8. Is early or late wheat most rusted this year?

9. Do you have any spring wheat? If so, is it much rusted?

Which is most liable to rust, spring or fall wheat?

10. Is your wheat on new ground; that is, is it the first crop of any kind on the ground?

11. If on old ground, what crop was raised on it last year?

12. What kind of soil do you have?

13. Is the land high, low, flat, or rolling?

14. Are oats, rye, or barley rusted to any great extent?

15. If oats, spring wheat, or spring barley are rusted, how far are these grains from the nearest field of fall wheat?

16. In case of oat rust, are the stems or the leaves mostly attacked?

Please give below any facts not covered by these questions.

